HITACHI
Inspire the Next

MODEL
DV-P745U

DVD PLAYER INSTRUCTION MANUAL

INSTRUCCIONES EN ESPAÑOL INCLUIDAS.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

IMPORTANT SAFEGUARDS

1) Read Instructions - All the safety and operating instructions should be read before the product is operated.
2) Retain Instructions - The safety and operating instructions should be retained for future reference.
3) Heed Warnings - All warnings on the product and in the operating instructions should be adhered to.
4) Follow Instructions - All operating and use instructions should be followed.
5) Cleaning - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
6) Attachments - Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7) Water and Moisture - Do not use this product near water - for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.
8) Accessories - Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer’s instructions, and should use a mounting accessory recommended by the manufacturer.

PORTABLE CART WARNING
(Symbol provided by RETAC)



S3125A

9) A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.
10) Ventilation - Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
11) Power Sources - This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
12) Grounding or Polarization - This product may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
13) Power-Cord Protection - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.
14) Lightning - For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
15) Power lines - An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
16) Overloading - Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
17) Object and Liquid Entry - Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
18) Servicing - Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
19) Damage Requiring Service - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 a) When the power-supply cord or plug is damaged,
 b) If liquid has been spilled, or objects have fallen into the product,
 c) If the product has been exposed to rain or water,
 d) If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation,
 e) If the product has been dropped or damaged in any way, and
 f) When the product exhibits a distinct change in performance - this indicates a need for service.
20) Replacement Parts - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
21) Safety Check - Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
22) Heat - The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.

HITACHI AMERICA, LTD.
HOME ELECTRONICS DIVISION
900 Hitachi Way
Chula Vista, CA 91914-3556
Service Hotline: 1-800-HITACHI

Instruction manual
To obtain the best performance and ensure years of trouble-free use, please read this instruction manual completely.

LASER SAFETY

This player employs a laser. Only a qualified service person should remove the cover or attempt to service this device, due to possible eye injury.

CAUTION: USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

CAUTION: VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED. DO NOT STARE INTO BEAM.

LOCATION: INSIDE, ON THE DECK MECHANISM.

FCC WARNING- This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

RADIO-TV INTERFERENCE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1) Reorient or relocate the receiving antenna.

2) Increase the separation between the equipment and receiver.

3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

4) Consult the dealer or an experienced radio/TV technician for help.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION: POUR ÉVITER LES CHOC ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

A NOTE ABOUT RECYCLING

This product's packaging materials are recyclable and can be reused. Please dispose of any materials in accordance with your local recycling regulations.

Batteries should never be thrown away or incinerated but disposed of in accordance with your local regulations concerning chemical wastes.

Alliance: www.eiae.org

About Copyright

Unauthorized copying, broadcasting, public performance and lending of discs are prohibited.
This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Notice for progressive scan outputs

Consumers should note that not all high definition television sets are fully compatible with this product and may cause artifacts to be displayed in the picture. In case of 525 progressive scan picture problems, it is recommended that the user switch the connection to the 'standard definition' output. If there are questions regarding our TV set compatibility with this model 525p DVD player, please contact our customer service center.

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■ ***REPRODUCCIÓN DE UN DISCO 20***
Reproducción de un DVD de Vídeo o un CD de Audio . 20

INTRODUCTION

Supplied Accessories

- Remote control DV-RM745U (TS18852)
- Two AA batteries
- VIDEO/AUDIO cables approx.3 feet(100cm) long(TE14751)

Symbols Used in this Manual

The following symbols appear below in some headings and notes in this manual, with the following meanings!

DVD : Description refers to playback of DVD video discs.

CD : Description refers to playback of audio CDs.

MP3 : Description refers to playback of MP3 discs.

QUICK : Description refers to the items to be set in the QUICK mode.

ABOUT THE DISCS

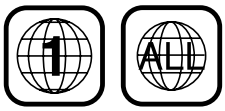
Playable Discs

The following discs can be played back on this DVD player.

• DVD video • DVD-R* • Audio CD • CD-R/RW* • MP3 disc

*Depending on the types or the writing method of the medium, some discs may not be played.

- Some DVD-R or CD-R/RW discs made on personal computers or DVD recorders may not be played back properly due to factors such as scratches, dirt or special properties of the disc.
- Discs made on personal computers may not be played back properly due to different environments or the settings of the application you use. We recommend always to use the standardized, properly formatted discs. (Please contact the sales agency for more details).
- You can play back discs which bear the marks on page 18. If you use nonstandardized discs, this unit may not play them back. Even if they are played back, the sound or video quality will be compromised.
- This player conforms to the NTSC color system. You cannot play discs recorded in other color systems such as PAL or SECAM.
- Some discs include region codes as shown on the right.
- The number inside the symbol refers to a region of the world, and a disc encoded in a specific region format can only be played back on DVD player with the same region code.



For Customer Use: Read carefully the information located at the bottom of your DVD player and enter below the Serial No. Retain this information for future reference.
Model No. DVD player
Serial No. _____

- **On the following discs, only the sound can be heard (picture cannot be viewed).**
 CDV
 CD-G

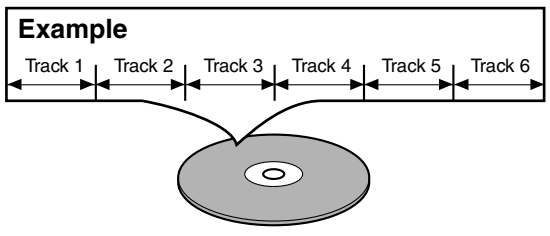
- **NEVER play back the following discs. Otherwise, malfunction may result!**
 DVD-RAM
 CD-I
 Photo CD
 Video CD
 DVD with region codes other than 1 or ALL
 DVD-ROM for personal computers
 CD-ROM for personal computers

- **On the following disc, the sound MAY NOT be heard.**
 Super Audio CD
 Note: Only the sound recorded on the normal CD layer can be delivered.
 The sound recorded on the high density Super Audio CD layer cannot be delivered.
- *Any other discs without compatibility indications.*

Disc Types

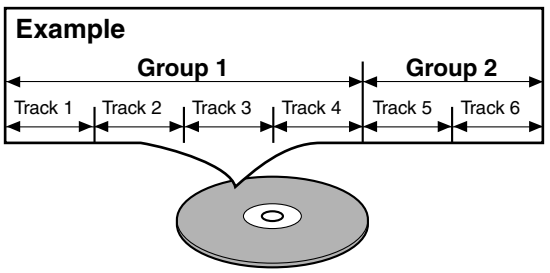
[Audio CD]

Data on an Audio CD is divided into sections called “tracks”, each of which is given a track number.



[MP3 disc]

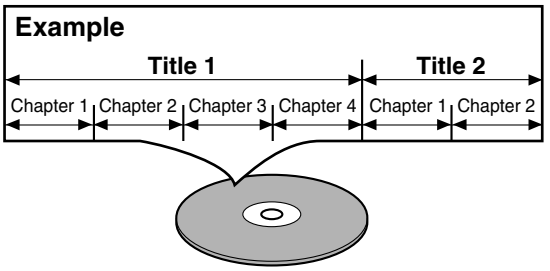
MP3 data is divided into sections called "groups", and then into subsections called "tracks", each of which is given a group or track number.



ABOUT THE DISCS

[DVD]

Data on a DVD is divided into sections called "titles", and then into subsections called "chapters", each of which is given a title or chapter number. Playback conditions on some DVD video discs take priority over user operations on this player. If a function you select do not run as desired, refer to the manual included in the disc.



FEATURES

- **Progressive Scan system**
- **Dolby Digital sound**
 By hooking this player up to a Multi-channel Dolby Digital decoder, you can enjoy high-quality 5.1ch Dolby Digital surround sound as heard in the movie theaters.
- **Pause/fast/slow/step playback**
- **Random playback for Audio CD and MP3**
- **Program playback for Audio CD and MP3**
- **DVD menus in a desired language**
- **Screen saver/Auto power-off functions**
 The screen saver program starts when there is no input from the player for five minutes in the stop mode. When the screen saver program is activated for 30 minutes, the power is automatically turned off.
- **Subtitles in a desired language**
- **Selecting a camera angle**
- **Choices for audio language and sound mode**
- **Parental lock**
- **Automatic detection of discs**
 This player automatically detects if a loaded disc is DVD, Audio CD or MP3 disc.
- **Playing an MP3 disc**
- **Direct Search**
- **DTS (Digital Theater System)**
 you can enjoy 5.1 channel surround system developed by the Digital Theater System co. which reproduces the original sound as truthfully as possible.
 External DTS decoder required.
- **On-screen display**
 Information about the current operation can be displayed on the TV screen, allowing you to confirm the currently active functions (such as program playback) by the remote control.
- **Search**
 Chapter search / Title search / Track search / Time search
- **Repeat**
 Chapter / Title / Track / Group / All / A-B
- **Zoom**
- **Marker**
 Electronic reference point designated by user can be called back.
- **Disc Navigation**
 Displays the first scenes of each chapter in a title.
- **Resume Play**
- **Virtual Surround**
- **Component Video Out Jacks**
 Jacks located on the back of the DVD Player which are used to send high-quality Component Video to televisions equipped with component inputs.
- **Dimmer**
 Dim the display brightness.
- **Bit rate indication**
- **DRC (Dynamic range control)**
 You can control the range of sound volume.
- **Black Level Setting**

Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

"DTS" and "DTS Digital Out" are trademarks of Digital Theater Systems, Inc.

Selecting Progressive Scan (480p or Interlaced 480i) Playback

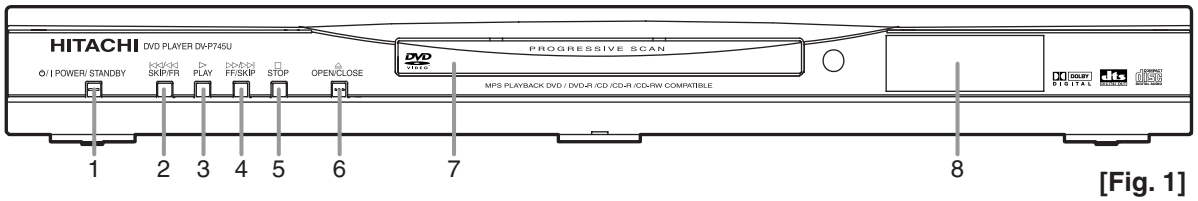
- If your TV is compatible with progressive scanning (480p), connect the TV to the COMPONENT VIDEO OUT jacks of this unit (refer to figure 9 on page 9), and set to the progressive scanning mode by pressing **PLAY** for more than 5 seconds on the front of the unit. "P. SCAN" will appear on display of the unit.
- To set to the interlace mode, press **PLAY** for more than 5 seconds on the front of the unit. "P. SCAN" will disappear on display of the unit.
- If your TV is not compatible with progressive scanning, keep this unit in the interlace mode (Make sure that "P. SCAN" on display of the unit lights off).
- Use a commercially available adaptor if the video input jacks of your TVs or monitors are the BNC type.

What is Progressive Scanning?

- Unlike conventional interlace scanning, the progressive scan system provides less flickering and images in higher resolution than that of traditional (480i) television signals.

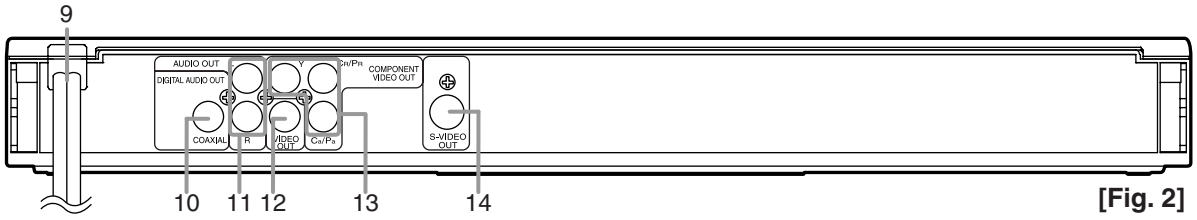
FUNCTIONAL OVERVIEW

FRONT PANEL



[Fig. 1]

REAR VIEW

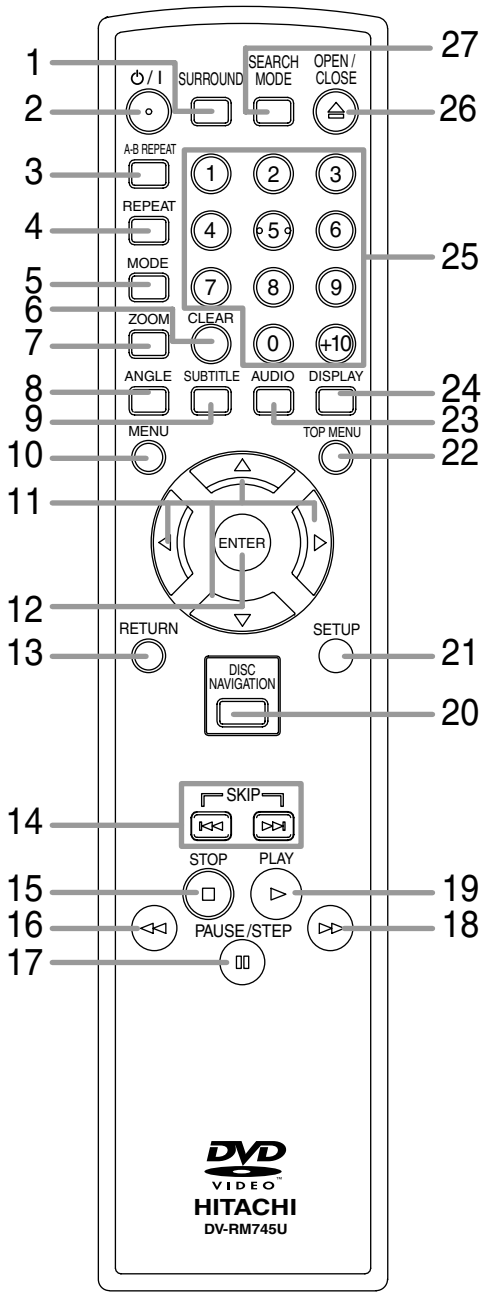


[Fig. 2]

1. ⏻/I **(POWER/STANDBY)**
 Switch the player to ON or OFF.
 (As to the indication of the Operate switch, "I" indicates ON and "⏻" indicates electrical power STANDBY.)
2. **SKIP/FR**
 Go to previous chapter or track during playback;
 Press and hold for 1.5 seconds for a reverse search.
3. **PLAY**
 Start or resume disc playback.
 Press to switch progressive scanning mode and interlace mode. (refer to page 5.)
4. **FF/SKIP**
 Go to next chapter or track during playback;
 Press and hold for 1.5 seconds for a forward search.
5. **STOP**
 Stop playback.
6. **OPEN/CLOSE**
 Open/close the disc tray.
7. **Disc tray**
8. **Display**
9. **MAIN (AC Power Cord)**
 Connect to a standard AC outlet.
10. **COAXIAL (Digital audio out)**
 Use coaxial digital audio out to connect to a compatible Dolby Digital receiver. Use to connect to a Dolby Digital decoder or DTS decoder.
11. **AUDIO OUT (Left/Right)**
 Connect to the AUDIO inputs of an amplifier, receiver or stereo system.
12. **VIDEO OUT**
 Use a video cable to connect one of the jack to Video input on your A/V-compatible TV, wide screen TV, or Stereo system.
13. **COMPONENT VIDEO OUT**
 Connect to a TV with the Component video in jacks.
14. **S-VIDEO OUT**
 Use the S-Video cable to connect this jack to the S-Video jack on your A/V-compatible TV or wide screen TV for a higher quality picture.

Caution: Do not touch the inner pins of the jacks on the rear panel. Electrostatic discharge may cause permanent damage to the player.

REMOTE CONTROL

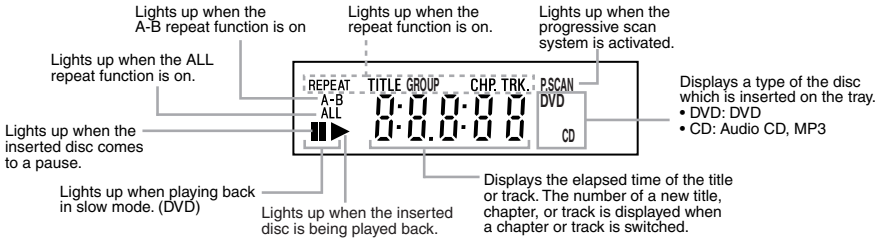


[Fig. 3]

1. **SURROUND**
 Press to activate the virtual sound.
2. **⏻/I(POWER/STANDBY)**
 Press to turn the power on and off.
 (As to the indication of the Operate switch, "I" shows ON and "⏻" shows electrical power stand-by.)
3. **A-B REPEAT**
 Repeats playback of a selected section.
4. **REPEAT**
 Repeats playback of the current disc, title, chapter or track.
5. **MODE**
 Activates program playback or random playback mode when playing CDs or MP3. Sets Black level and virtual surround.
6. **CLEAR**
 Press to reset the setting.
7. **ZOOM**
 Enlarges part of a DVD-reproduced image.
8. **ANGLE**
 Press to change the camera angle to see the sequence being played back from a different angle.
9. **SUBTITLE**
 Press to select the desired subtitle language.
10. **MENU**
 Press to display the menu of the Disc.
11. **Arrow Buttons (◄►▼▲)**
 Move the cursor and determines its position.
12. **ENTER**
 Press to accept a setting.
13. **RETURN**
 Returns to the previous operation.
14. **SKIP**
 Press to skip Chapters or Tracks.
15. **STOP**
 Press to stop the disc motion.
16. **◀◀**
 Press to play a DVD, an Audio CD, or an MP3 disc in the fast reverse motion.
17. **PAUSE/STEP**
 Press to pause Disc playback. Press repeatedly to advance the DVD picture step by step or one frame at a time.
18. **▶▶**
 Press to fast forward the Disc. Press PAUSE/STEP, then press this button to begin slow motion playback. Press this button repeatedly to change the forward speed of slow motion.
19. **PLAY**
 Press to begin playback.
20. **DISC NAVIGATION**
 Press to display the first scenes of each chapter of the title being played.
21. **SETUP**
 Press to enter the setup mode.
22. **TOP MENU**
 Press to call up the title menu.
23. **AUDIO**
 Press to select a desired audio language or sound mode.
24. **DISPLAY**
 Press to access or remove the display screen during DVD or Audio CD playback.
25. **Numerical Buttons**
 Press to directly select a Track (Audio CD and MP3) for playback.
26. **OPEN/CLOSE**
 Press to open or close the disc loading tray.
27. **SEARCH MODE**
 Press to access or remove the Search display, which allows you to go directly to a specific Title/Chapter/Track/Time/Marker.

FUNCTIONAL OVERVIEW

Display



[Fig. 4]

Displays During Operation

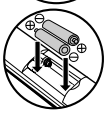
	Power on
	No disc inserted/can not read
	Tray open
	Tray closed
	Loading the Disc
	Power off
▶ DVD	When a disc is being played back

Loading the Batteries

1. Open the battery compartment cover.



2. Insert two AA batteries, with each one oriented correctly.



3. Close the cover.



NOTES

- Do not mix alkaline and manganese batteries.
- Do not mix old and new batteries.

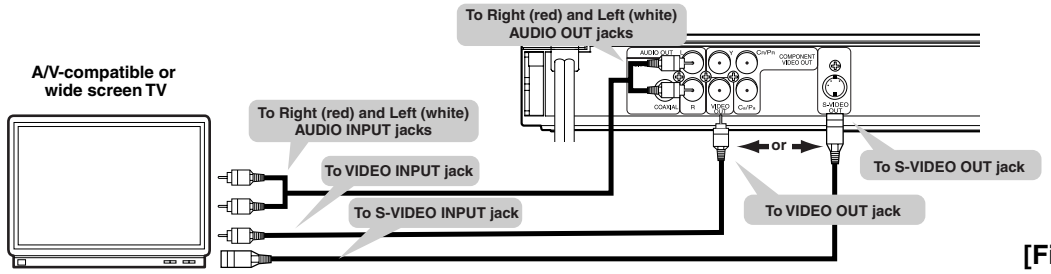
HOOKUPS

CAUTION:

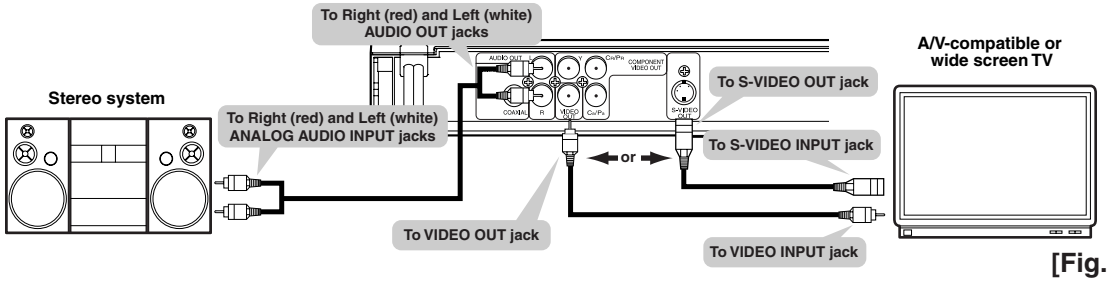
- Be sure to turn off the Player and equipment before connecting.
- Read through the operation manual for the equipment to be connected.
- Be sure that the colors of the jacks and plugs match up when using VIDEO/AUDIO cables.
- Be sure to keep the Player connection cables separate from the TV antenna cable when you install the Player, because it may cause electrical interference when you are watching television programs.
- DTS audio cannot be produced with an analogue connection.

Connecting to a TV using a VIDEO OUT Jack or an S-VIDEO OUT Jack

Use an S-Video cable (commercially available) in place of the yellow video cable to enjoy higher picture quality.



[Fig. 5]



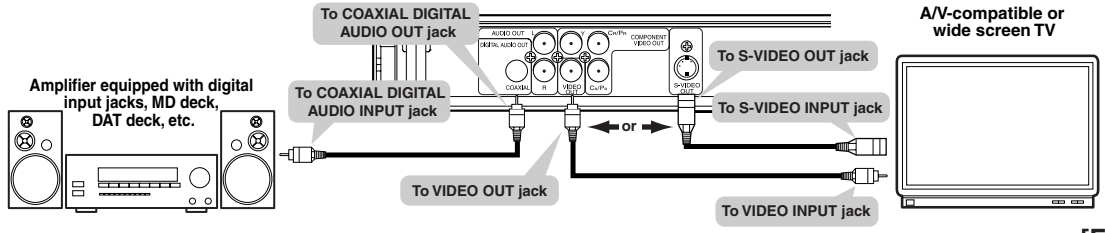
[Fig. 6]

NOTES:

- Connect the DVD player directly to a TV. If the A/V cables are connected to a VCR, pictures may be distorted due to the copy protection system.
- Be sure to turn off all components in the system before connecting another component.
- Refer to the owner's manuals for your TV, stereo system and any other components to be connected to the DVD player.

Connecting to an Amplifier Equipped with Digital Input Jacks such as MD deck or DAT deck

Use an audio coaxial digital cable (commercially available) for the audio connections. Connecting to an amplifier equipped with a coaxial digital input jack such as MD Deck or Dat Deck.



[Fig. 7]

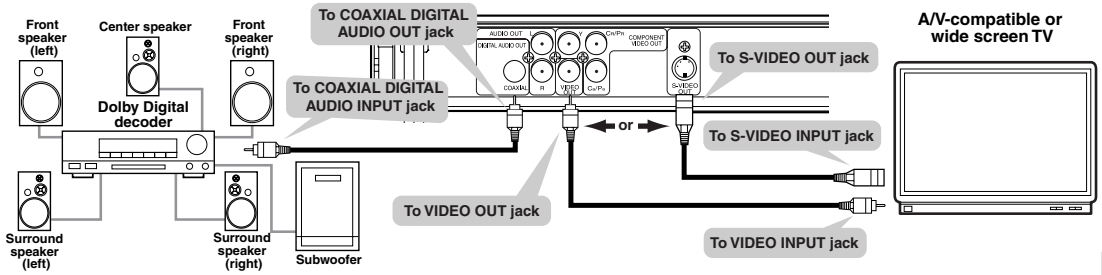
NOTES:

- The audio source on a disc in a Dolby Digital 5.1 channel surround format cannot be recorded as digital sound by an MD or DAT deck.
- Set “DOLBY DIGITAL” to “PCM” and “DTS” to “OFF” for audio output in the setup mode. Playing a DVD using incorrect settings may generate noise distortion, and may also damage the speakers.(See page 14 to change the audio settings.)

Connecting to a Dolby Digital decoder or DTS decoder

If using this DVD player to playback a DVD in a 5.1 channel Dolby Digital surround or DTS surround format, the DVD player outputs a Dolby Digital or DTS data stream from its COAXIAL DIGITAL AUDIO OUT jack. By hooking the player up to a Dolby Digital or DTS decoder, you can enjoy a more convincing, realistic ambience with powerful and high-quality surround sound of a professional standard such as can be heard in movie theaters.

Use an audio coaxial digital cable (commercially available) for the audio connections.

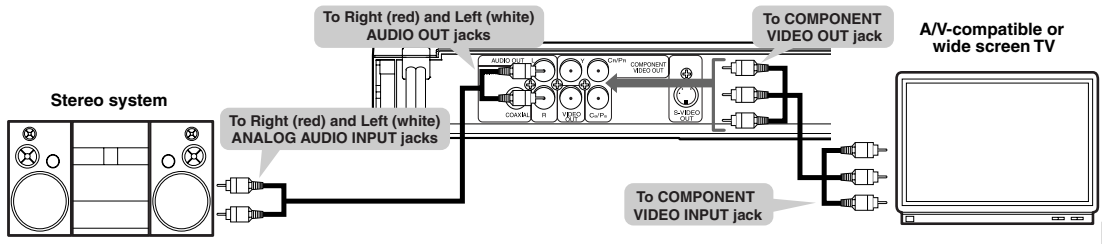


[Fig. 8]

NOTES:

- IF output is Dolby Digital- or DTS-encoded audio, connect to a Dolby Digital or DTS decorder, and set “DOLBY DIGITAL” or DTS to “BITSTREAM” for audio output in the setup mode.
- Unless connected to a Dolby Digital or DTS decoder, set “DOLBY DIGITAL” to “PCM” or “DTS” to “OFF” for audio output in the setup mode. Playing a DVD using incorrect settings may generate noise distortion, and may also damage the speakers.

Connecting to a TV or a Stereo TV that has Component VIDEO In Jacks



[Fig. 9]

NOTE:

- If your TV is compatible with progressive scanning (480p), connect the TV to the COMPONENT VIDEO OUT jacks of the DVD player, and make sure the progressive scanning mode is selected.

HOW TO CONNECT TO A TV WITHOUT AUDIO/VIDEO INPUT JACKS

If your TV does not have RCA type audio and video input jacks it is still possible to connect this DVD player to your TV’s 75-ohm coaxial antenna terminal using a commercially available Stereo Audio/Video RF Modulator. Connect the audio and video outputs of the DVD player to the audio and video inputs on the RF Modulator, and then connect the coaxial output of the RF Modulator (usually marked “TO TV”) to the 75 ohm coaxial antenna terminal on your TV. Follow the instruction supplied with the RF Modulator for more details.
If your TV’s 75 ohm coaxial antenna terminal is already occupied by an antenna or cable box connection, remove that cable from your TV’s antenna terminal and reconnect it to the coaxial antenna input terminal of the RF Modulator (usually marked “ANT IN”), then connect the RF modulator to your TV’s antenna terminal.

NOTE:

- The picture quality from DVDs will not be as good if the DVD player is connected to the TV’s antenna terminal through an RF Modulator.

Basic Playback

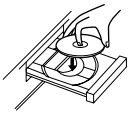
DVD | CD | MP3

Getting started

- Turn on the power of the TV, amplifier and any other components which are connected to the DVD player.
- Make sure the TV and audio receiver (commercially available) are set to the correct channel.

1 Press ⏻/I .
- "P-ON" will appear briefly on the display panel.

2 Press **OPEN/CLOSE** to open disc loading tray.



3 Place the chosen disc on the tray, with the label facing up.

4 Press **PLAY**.
- The tray will close automatically, and playback will then start from the first chapter or track of the disc. If the playback does not start automatically, press **PLAY**.
- When you playback the DVD with a title menu, it may appear on the screen. In this case, refer to "Title Menu".

5 Press **STOP** to stop playback.

NOTES:
- A "prohibited icon" may appear at the top-right on the TV screen during operation, warning that a prohibited operation has been encountered by the DVD player or the disc.
- With DVDs that use some titles for playback program signals, playback may start from the second title, or it may skip these titles.
- During the playback of two layered disc, pictures may stop for a moment. This happens when the 1st layer switches to the 2nd layer. This is not a malfunction.

General Features

DVD

DVD may contain menus to navigate the disc and access special features. Press the appropriate numerical key or use **Arrow** (▼/ ▲/ ►/ ◄) to highlight your selection in the DVD main menu and press **ENTER** to confirm.

NOTE:
- Unless stated, all operations described are based on remote control use. Some operations can be carried out using the menu bar on the TV screen.

Disc Navigation

DVD

1 Press **DISC NAVIGATION**.

During title playback or when resume is on:
- A shot from each chapter including the one currently being played will be displayed on the screen.
- The chapter currently being played is selected in yellow.

In STOP mode (resume off):
- The first scene of each chapter of the first title will be displayed.

2 Press **Arrow** (▲/▼/◄/►) to select your desired chapter.
- Up to 6 chapters can be displayed at one time. If the title has more than 6 chapters, press **SKIP** ▶▶| to go to the next page. Press **SKIP** |◀◀ to go back to the previous page.
- You can change the title by moving up to the field where the title number is shown with **Arrow** (▲), and entering a title number of your choice.

3 Press **ENTER** or **PLAY**.
- Playback of the selected chapter will start.
- Pressing **DISC NAVIGATION** before pressing **ENTER** or **PLAY** at step 3 will cease the **DISC NAVIGATION** function, and the playback will be stopped. The resume information will be lost.
- When a disc menu is shown, the DISC NAVIGATION feature does not function.
- DISC NAVIGATION takes a few seconds to respond.
- With some discs, part of the DISC NAVIGATION screen may not be displayed properly. This is not a malfunction.
- Some discs do not support disc navigation feature.
- The sound is muted while DISC NAVIGATION is on the screen.
- It takes about 15 seconds to display 6 shots.

Pause

DVD | CD | MP3

1 During playback, press **PAUSE/STEP**.
- Playback will pause and sound will be muted.

2 To continue playback, press **PLAY**.

NOTE:
- Set STILL MODE to FIELD on the display menu if pictures in the pause mode are blurred. (Refer to page 15.)

Disc Menus

DVD

1 Press **MENU**.
- The DVD main menu will appear.

2 If the feature is not available, ⃠ symbol may appear on the TV screen.

3 If disc menu is available on the disc, audio language, subtitle options, chapters for the title and other options will appear for selection.

4 Press **Arrow** (▼/ ▲/ ►/ ◄) to select an item, and **ENTER** to confirm selection.

Title Menu

DVD

1 Press **TOP MENU**.
- The title menu will appear.

2 If the feature is not available, ⃠ symbol may appear on the TV screen.

3 Press **Arrow** (▼/ ▲/ ►/ ◄) to select an item, and **ENTER** to confirm selection.
- Playback will begin at the selected Title.

CALLING UP A MENU SCREEN DURING PLAYBACK

- Press **MENU** to call up the DVD main menu.
- Press **TOP MENU** to call up the title menu.

NOTE:
- Contents of menus and corresponding menu operations may vary between discs. Refer to the manual accompanying the disc for details.

Step by Step Playback

DVD

1 During playback, press **PAUSE/STEP**.
- Playback will pause and sound will be muted.

2 The disc advances by one frame each time **PAUSE/STEP** is pressed.

3 To exit step by step playback, press **PLAY**.

NOTE:
- Set STILL MODE to FIELD on the display menu if pictures in the pause mode are blurred. (Refer to page 15.)

Resume

DVD | CD | MP3

1 During playback, press **STOP**.
- Resume message will appear on the TV screen.

2 Press **PLAY**, playback will resume from the point at which playback was stopped.
- To cancel resume, press **STOP** twice.

NOTES:
- For MP3, playback will resume from the beginning of the current track.
- The resume playback takes a little longer to take place compared to the normal playback.
- The resume information stays on even when the power is turned off.

Fast Forward / Reverse Search

DVD CD MP3

1 During playback, press ►► or ◄◄ repeatedly to select the required forward or reverse speed.
- For DVDs, fast forward or reverse search speed is different depending on the disc. Approximate speed is 1(x2),2(x8),3(x50),4(x100).
- For Audio CDs, the approximate speed is x16.
- For MP3, the approximate speed is x8.
- If you are using **SKIP/FR** or **FF/SKIP** on the front panel, press and hold it for more than 1.5 sec (the longer you hold it, the faster the speed will be). When you reach the desired speed, release the button.

2 To return to normal playback, press **PLAY**.

Slow Forward / Slow Reverse

DVD

1 During playback, press **PAUSE/STEP**.
2 Press ►► or ◄◄ .
- Slow motion playback will begin and sound will be muted.

3 Press ►► or ◄◄ repeatedly to select the required speed.
- Slow forward or reverse speed is different depending on the disc. Approximate speed is 1(1/16),2(1/8),3(1/2).
- If you are using **SKIP/FR** or **FF/SKIP** on the front panel, press and hold it for more than 1.5 sec (the longer you hold it, the slower the speed will be). When you reach the desired speed, release the button.

4 To return to normal playback, press **PLAY**.

NOTES:
- Set STILL MODE to FIELD on the Display menu, if pictures in the slow playback mode are blurred. (refer to page 15)

Zoom

DVD

The Zoom function allows you to enlarge the video image and to pan through the enlarged image.

1 Press **ZOOM** during playback.
- Playback will continue.

2 Press **ZOOM** repeatedly to select the required zoom factor: x2, x4 or OFF.
3 Use **Arrow** (▼/ ▲/ ►/ ◄) to move the zoomed picture across the screen.
4 To exit zoom mode, press **ZOOM**.

NOTES:
- Zooming function does not work while disc menu is shown.
- x4 zoom is not available on some discs.

Track Search

CD MP3

There are three ways to begin playback of an Audio CD at a specific Track.

Using the Numerical buttons

1 Press **numerical buttons** to enter the desired Track number.
- Playback will start at the selected track.
- For single digit tracks (1-9), press a single number (eg. track 3, press 3).
- To play track 26, press +10, 2, 6 on the numerical button.

Using the SEARCH MODE

1 Press **SEARCH MODE**.
- The Track search display appears.

2 Within 30 seconds, select a desired track number using **numerical buttons**. For single digits press "0" first.
- Playback will start at the selected track.

Using the SKIP ⏮ ⏭

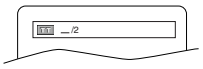
During playback, press **SKIP** ⏭ to move to the next track. Press it repeatedly to skip subsequent tracks. Press **SKIP** ⏮ to go back to the beginning of the current track. Press it repeatedly to go to the previous tracks.
- Track number will appear briefly on the front display panel.
- If any **SKIP** is pressed while the playback is paused, the playback will be paused again after skipping to the next track.

NOTE:
- **SKIP** ⏮ ⏭ are not available when playback is stopped.

Title / Chapter Search

DVD

1 Press **SEARCH MODE** once for the Chapter search, twice for the Title search during playback.
2 Enter the desired chapter/title number using **numerical buttons.**



Time Search

DVD CD

1 During playback, press **SEARCH MODE** three times (CD: twice) to display the Time search on the TV screen.
2 Within 30 seconds, enter a desired disc time using **numerical buttons**.
- Playback will start at the specified time.
- Press **CLEAR** to erase the incorrect input.

NOTES:
- When there is no need to enter a number, "0" appears automatically. For example, "0:0_:_ _" appears in the Time Search display if the total time of the disc is less than 10 minutes.

Repeat

• **REPEAT** is available only during playback.

REPEAT TITLE / CHAPTER

DVD

To activate the repeat function, press **REPEAT** during playback.

• The repeat mode changes as described below every time you press the button.

CHAPTER (**current chapter** repeat) → **TITLE** (**current title** repeat) → **OFF** (repeat **off**) → **CHAPTER**

NOTES:

• Repeat Title/Chapter is not available on some scenes.
• The REPEAT setting will be cleared when moving to other titles or chapters.

REPEAT TRACK

CD

To activate the repeat function, press **REPEAT** during playback.

• The repeat mode changes as described below every time you press the button.

TRACK (**current track** repeat) → **ALL** (**entire disc** repeat) → **OFF** (repeat **off**) → **TRACK**

NOTES:

• The repeat setting will be cleared by moving to another track.
• Repeat playback does not function during A-B repeat playback.

MP3

TRACK (**current track** repeat) → **GROUP** (**current folder** repeat) → **ALL** (**entire disc** repeat) → **OFF** (repeat **off**) → **TRACK**

A-B REPEAT

DVD **CD**

1 Press **A-B REPEAT** at your chosen starting point.
• **A-** appears briefly on the TV screen.
2 Press **A-B REPEAT** again at your chosen end point.
• **A-B** appears briefly on the TV screen, and the repeat sequence begins.
3 To exit the sequence, press **A-B REPEAT**.

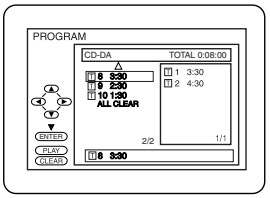
NOTES:

• The A-B repeat section can only be set within the current title (for DVDs), or current track (for audio CDs).
• A-B Repeat is not available with some scenes in DVD.
• To cancel the A point which was set, press **CLEAR**.
• A-B Repeat playback does not function during title, chapter, track or all repeat playback.

Program (CD)

CD

You may determine the order in which tracks will play.



1 In stop mode press **MODE**.
• The PROGRAM screen will appear.
2 Press ▲ or ▼ to select a track, then press **ENTER**.
• Press **CLEAR** to erase the most recently entered program.
3 Press **PLAY** to play the programmed tracks.

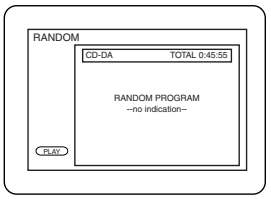
NOTES:

• Press **STOP** once and then **PLAY**, playback will restart from the point where **STOP** was pressed. (Program continued)
• Press **STOP** twice and then **PLAY**, playback will restart from the track in the usual way. (Program cleared)
• Up to 99 programs can be entered.
• To repeat the current track in the program, press **REPEAT** repeatedly until **TRACK** appears during playback. To repeat the entire program press **REPEAT** repeatedly until **ALL** appears during playback.
• To erase all programs at once, select ALL CLEAR and press the **ENTER** button at step 2.

Random Playback (CD)

CD

This shuffles the order of tracks instead of playback of in the original sequence.



1 In stop mode, press **MODE** twice.
• RANDOM screen appears.
2 Press **PLAY** to start random playback.

NOTE:

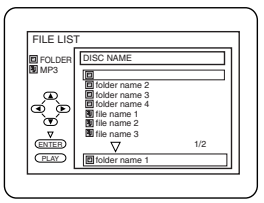
• To repeat the current track in the random selection, press **REPEAT** repeatedly until **TRACK** appears during playback. To repeat the entire random selection press **REPEAT** repeatedly until **ALL** appears during playback.

MP3 Playback

MP3

Insert an MP3 disc, then press **MENU** to call up the MP3 menu on the TV screen.

1 In stop mode, press ▲ or ▼ to select the desired group or track.
• If a group is selected, press ► or **ENTER** to go to the track selection screen. Press ▲ or ▼to choose a track, then press **PLAY** or **ENTER**.
• If a track is selected, press **PLAY** or **ENTER** to start playing from the track.
• Press **TOP MENU** to return to the first item.
2 Press **STOP** to stop playback.



NOTES:

• Folders are known as Groups; files are known as Tracks.
• Folders are accompanied by icon.
• MP3 files are accompanied by icon.
• Maximum of 255 folders can be recognized.
• Maximum of 512 files can be recognized.
• Up to 8 hierarchies can be created.

For best results use files recorded at these specifications:
- Sampling frequency: 44.1kHz or 48kHz
- Constant bit rate: 112kbps ~ 320kbps.

On-Screen Information

MP3

You can check the MP3 files during playback.

1. Press **DISPLAY**.
 - The name of the file currently in play will be displayed.
2. Press **DISPLAY** again to show the track number, the elapsed time, the repeat status, and the playback status at the top of the screen.
 - ↻ will be displayed when the repeat play has been selected.
 - ↻ T - indicates Track repeat
 - ↻ G - indicates Group (folder) repeat
 - ↻ A - indicates All (disc) repeat
3. Press **DISPLAY** again to exit.

Program (MP3)

MP3

This feature allows you to program an MP3 disc to play in a desired sequence.

1. In stop mode, press **MODE**.
 - The PROGRAM screen will appear.
2. Press ▲ or ▼ to select a track, then press **ENTER**, to save it in a program.
 - Press **CLEAR** to erase the incorrect input.
3. Press **PLAY** to start programmed playback.

NOTE:
- To erase all programs at once, select ALL CLEAR and press **ENTER** at step 2.

Random Playback (MP3)

MP3

1. Press **MODE** twice while playback is stopped.
2. Press **PLAY** to play the tracks in random order.

Audio Language

DVD

The DVD player allows you to select a specific language during DVD disc playback when multiple languages are available.

1. Press **AUDIO** during playback.
2. Press **AUDIO** repeatedly to select your desired language.

Stereo Sound Mode

CD

1. Press **AUDIO** repeatedly during playback to select between STEREO, L-CH or R-CH.

STEREO - both right and left channels are active (stereo)
L-CH - only left channel is active
R-CH - only right channel is active

NOTE:
- If the Virtual Surround setting is ON, the sound mode will be fixed to STEREO, and can not be changed.

Subtitle Language

DVD

The DVD player allows you to select a language for subtitle (if available) during DVD disc playback.

1. Press **SUBTITLE** during playback.
2. Press **SUBTITLE** repeatedly to select your desired subtitle language.
 - The selected language will be displayed on the display bar at the top of the screen.
3. To turn off subtitles, press ◄ or ► until OFF appears.

NOTES:
- If your language is not shown after pressing **AUDIO** or **SUBTITLE** several times, the disc may not have that language. However, some discs allow you to change audio language or subtitle language setting in the disc menu. (Operation varies depending on the disc, so refer to the manual included in the disc.)
- If you choose a Language that has a 3 letter language code, the code will be displayed every time you change the Subtitle language setting. If you choose any other languages, '---' will be displayed instead. (Refer to page 15.)

Camera Angle

DVD

Some DVD discs contain scenes which have been shot simultaneously from various angles. You can change the camera angle when the (📷) mark appears on the screen. If the "ANGLE MARK" setting is "OFF" in the Display setting, the (📷) icon will not appear. (Refer to page 15.)

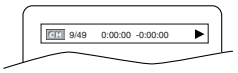
1. Press **ANGLE** during playback.
 - The selected angle will be displayed on the display bar at the top of the screen.
2. Press **ANGLE** repeatedly to select your desired angle.

Changing the On-Screen Display

DVD

You can check information available on the current disc by pressing **DISPLAY** on the remote control.

1. Press **DISPLAY** during playback to show current chapter.
 - The elapsed and remaining playing time of the current chapter will be displayed.



2. Press **DISPLAY** again to show current title.
 - The elapsed and remaining playing time of the current title will be displayed.
3. Press **DISPLAY** for the third time.
 - The BIT RATE and the current repeat setting will be displayed.
 - If you are playing a dual layered disc, the layer number will also be displayed (L0: Layer 0 is playing. L1: Layer 1 is playing).
4. Press **DISPLAY** for the fourth time to remove the display.

CD

1. Press **DISPLAY** during playback. The current track will be displayed on the TV screen.
 • The elapsed and remaining playing time of the current track will be displayed.
2. Press **DISPLAY** again to show the total tracks.
 • The elapsed and remaining playing time of the disc will be displayed.
3. Press **DISPLAY** for the third time to remove the display.

Parental Control

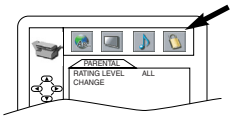
DVD

Parental Control provides limits for DVDs with extreme violence or adult themes. (A password you establish will override the limits.)
This feature allows you to prevent discs with objectionable scenes from being played by your children.

RATING LEVEL

Rating Level allows you to set the rating level of your DVDs. Playback will stop if the disc's ratings exceed the level you set.

1. Press **SETUP** in STOP mode.
2. Press ◄ or ► to select CUSTOM, then press **ENTER**.
3. Press ◄ or ► to select PARENTAL, then press **ENTER**.
4. Enter your four-digit password then press **ENTER**.
5. Press ▲ or ▼ to select RATING LEVEL, then press **ENTER**.
6. Press ▲ or ▼ to select the desired level.
7. Press **SETUP** to exit.



NOTES:
- When doing this for the first time, enter any 4 digits except for 4737. That number will be used as the password from the second time onward. If the password is already set, "CHANGE" appears on the display at step 5.
- To change the password, press ▲ or ▼ to select CHANGE, then press **ENTER**. Enter the four-digit pass-word, then press **ENTER**.
- With some DVDs, it may be difficult to find if they are compatible with parental lock. Be sure to check if the parental lock function operates in the way that you have set.
- Record the password in case you forget it.

IF YOU FORGET THE PASSWORD

1. Press **4**, **7**, **3**, **7** at step 4.
 • Password will be cleared and Rating Level will be set to ALL.
2. Repeat steps 4-7 to re-establish the parental lock.

CONTROL LEVELS

- **ALL**
 Parental lock is cancelled.
- **Level 8**
 DVD software of any grade (adult/general/children) can be played back.
- **Levels 7 to 2**
 Only DVD softwares intended for general use and children can be played back.
- **Level 1**
 Only DVD softwares intended for children can be played back, with those intended for adult and general use prohibited.

Marker Setup Screen

DVD **CD**

Use markers to memorise your favourite places on a disc.

1. Press **SEARCH MODE** four times (CD: three times) during playback.
 • The display screen and Markers will appear on the TV screen.
2. Ensure that "- : - - : - -" appears in the display, and press ◄ or ► to select the number of the marker (1~10).
3. When you reach the desired point, press **ENTER**.
 • The Title or Track and elapsed playing time will appear on the TV screen.
4. To return to a Marker later, press **SEARCH MODE** four times (CD: three times) during playback and ◄ or ► to choose the desired marker, then press **ENTER**.

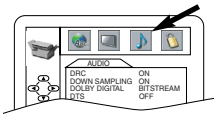
NOTES:
- Opening the disc tray, turning off the unit, or selecting AC (All clear) followed by the Enter key will erase all markers.
- To clear a marker, using ◄ or ►, position the cursor on to the marker number to be cleared and press **CLEAR**.
- You can mark up to 10 points.

5. Press **SEARCH MODE** or **RETURN** to exit.

Audio Setting

Set your surround modes for DVD player through your receiver or processor. DVD's audio setup will not affect CD playback.

1. In STOP menu press **SETUP**.
2. Press ◄ or ► to select **CUSTOM**, then press **ENTER**.
 • CUSTOM menu will appear.
3. Press ◄ or ► to select AUDIO, then **ENTER** to confirm.
4. Press ▲ or ▼ to select an item, then press **ENTER**.



DRC (Dynamic Range Control) :
- To compress the range of sound volume.
- DRC function is available only on the discs that are recorded in the Dolby Digital format.
- The default setting is ON.

DOWN SAMPLING :
- Set to ON when outputting in 48kHz.
- Set to OFF when outputting the original sound.
- The default setting is ON.
- When playing disc with copyright protection, the sound will be down sampled at 48kHz even if you set it to OFF.
- DOWN SAMPLING function is available only on digital output of a disc recorded in 96kHz, and when the unit is connected to another source using the digital out jack.
- DOWN SAMPLING function is available only on the discs recorded in the Dolby Digital format.

DOLBY DIGITAL : QUICK
Set to BITSTREAM when the player is connected to Dolby Digital Decoder.
(BITSTREAM : Dolby Digital OUTPUT)
(PCM : Converts the Dolby Digital to PCM)
- The default setting is BITSTREAM.

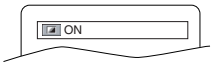
DTS: QUICK
- Set to BITSTREAM when connected to DTS decoder.
- The default setting is OFF.

5. Press **SETUP** to exit.

Black Level Setting

DVD

Adjust the Black Level Settings to make the black parts of the picture as bright as you prefer.



1 Press **MODE** during playback.
2 Press **ENTER** to switch ON/OFF.
ON : Makes the dark parts brighter.
OFF : Shows the original picture as recorded.
3 Press **MODE** twice or **RETURN** to exit.
• The setting will be saved even if the player is turned off.

Virtual Surround

DVD CD MP3

You can enjoy stereophonic virtual space on your existing 2 channel stereo system.



1 Press **SURROUND** during playback.
2 Press **SURROUND** to set it 1(Natural effect), 2(Emphasized effect) or OFF.
3 Press **MODE** or **RETURN** to exit.
• The setting will be saved even if the player is turned off.

NOTES:
• Virtual Surround will not be effective if the surround mode is set to any selection other than STEREO (for CD play only).
• Turn down the level or turn it "OFF" if the sound is distorted.

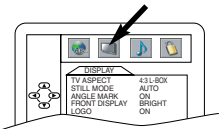
Display Setting

DVD

You can change certain aspects of the DVD display screens, on-screen messages and the display panel on the front of the DVD player.

1 Press **SETUP** in STOP mode.
2 Press ◄ or ► to select CUSTOM, then press **ENTER**.
• CUSTOM mode will appear.
3 Press ◄ or ► to select DISPLAY, then press **ENTER** to confirm.
4 Press ▲ or ▼ to select from an item, then press **ENTER**.

TV ASPECT : QUICK



• Press ▲ or ▼ for an item selection, then press **ENTER**.
• 4:3 LETTER BOX displays a theater-like image. Black bars appear at the top and bottom of the screen.
• 4:3 PAN-SCAN is the traditional TV mode with a full height picture with both sides trimmed.
• Select 16:9 WIDE if a wide-screen TV is connected to the DVD player.
• The default setting is 4:3 LETTER BOX.

STILL MODE :
• Press ▲ or ▼ for an item selection (AUTO, FIELD or FRAME), then press **ENTER**.
• Select 'AUTO' usually.
• If you select FIELD, pictures in the still mode will be stabilized although they will be coarse due to little amount of data.
• If you select FRAME, pictures in the still mode will be highly defined although they will be blurred due to output of two fields at the same time.
• The default setting is AUTO.

ANGLE MARK :
• Press **ENTER** repeatedly to turn Angle mark ON or OFF.
• The default setting is ON.

FRONT DISPLAY :
• Press ▲ or ▼ for an item selection (BRIGHT, DIM or AUTO DIM), then press **ENTER**.
• This adjust the brightness of the display panel with the factory default BRIGHT.
• When AUTO DIM is selected, the display dims only during playback.

LOGO:
• Press **ENTER** to switch ON (opening picture)/OFF(black).
• The default setting is ON.

5 Press **SETUP** to exit.

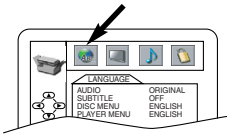
NOTE:
• Be sure to press **SETUP**, or the setting will not work.

Language Setting

DVD

Language options are not available on some discs.

1 Press **SETUP** in STOP mode.
2 Press ◄ or ► to select CUSTOM, then press **ENTER**.
• CUSTOM mode will appear.
3 Press ◄ or ► to select LANGUAGE, then **ENTER** to confirm.
4 Press ▲ or ▼ to select from an item, then press **ENTER**.



AUDIO :
• Sets the audio language.

SUBTITLE :
• Sets the subtitle language.

DISC MENU :
• Sets the language for DVD Menu.

PLAYER MENU : QUICK
• Sets the language for the On-Screen display.

5 Press ▲ or ▼ to select a setting, then press **ENTER**.
• If OTHERS is selected in the AUDIO, SUBTITLE or DISC MENU screen, press four-digit number to enter the code for the desired language. (Refer to the language code list on the next page.).
• Only the languages supported by the disc can be selected.
6 Press **SETUP** to exit.

NOTE:
• Language Setting for Audio and Subtitle is not available with some discs. Then use **AUDIO** and **SUBTITLE**. Details are on page 13.

To Return All Selections of SETUP (except for PARENTAL) to their Default Settings

DVD

This allows you to return all selections of SETUP (except for PARENTAL) to their default settings.

1 Press **SETUP** in STOP mode.
2 Press ◄ or ► to select INITIALIZE, then press **ENTER**.
• INITIALIZE mode will appear.
3 Press ▲or ▼ to select YES, then press **ENTER**.
4 Press **ENTER** to exit.

NOTE:
• When you cancel to initialize at step 3, select NO.

Language	Code
A-B	
Abkhazian	4748
Afar	4747
Afrikaans	4752
Albanian	6563
Amharic	4759
Arabic	4764
Armenian	5471
Assamese	4765
Aymara	4771
Azerbaijani	4772
Bashkir	4847
Basque	5167
Bengali;Bangla	4860
Bhutani	5072
Bihari	4854
Bislama	4855
Breton	4864
Bulgarian	4853
Burmese	5971
Byelorussian	4851
C-E	
Cambodian	5759
Catalan	4947
Chinese [CHI]	7254
Corsican	4961
Croatian	5464
Czech	4965
Danish [DAN]	5047
Dutch [DUT]	6058
English [ENG]	5160
Esperanto	5161
Estonian	5166
F-H	
Faroese	5261
Fiji	5256
Finnish [FIN]	5255
French [FRE]	5264
Frisian	5271
Galician	5358
Georgian	5747
German [GER]	5051
Greek [GRE]	5158
Greenlandic	5758
Guarani	5360
Gujarati	5367
Hausa	5447
Hebrew	5569
Hindi	5455
Hungarian [HUN]	5467
I-K	
Icelandic [ICE]	5565
Indonesian	5560
Interlingua	5547
Interlingue	5551
Inupiak	5557
Irish [IRI]	5347
Italian [ITA]	5566
Japanese [JPN]	5647
Javanese	5669
Kannada	5760
Kashmiri	5765
Kazakh	5757
Kinyarwanda	6469
Kirghiz	5771
Kirundi	6460
Korean [KOR]	5761
Kurdish	5767
L-N	
Laothian	5861
Latin	5847
Latvian;Lettish	5868
Lingala	5860
Lithuanian	5866
Macedonian	5957
Malagasy	5953
Malay	5965
Malayalam	5958
Maltese	5966
Maori	5955
Marathi	5964
Moldavian	5961
Mongolian	5960
Nauru	6047
Nepali	6051
Norwegian [NOR]	6061
O-R	
Occitan	6149
Oriya	6164
Oromo(Afan)	6159
Panjabi	6247
Pashto;Pushto	6265
Persian	5247
Polish	6258
Portuguese [POR]	6266
Quechua	6367
Rhaeto-Romance	6459
Romanian [RUM]	6461
Russian [RUS]	6467
S	
Samoan	6559
Sangho	6553
Sanskrit	6547
Scots Gaelic	5350
Serbian	6564
Serbo-Croatian	6554
Sesotho	6566
Setswana	6660
Shona	6560
Sindhi	6550
Singhalese	6555
Siswat	6565
Slovak	6557
Slovenian	6558
Somali	6561
Spanish [SPA]	5165
Sundanese	6567
Swahili	6569
Swedish [SWE]	6568
T	
Tagalog	6658
Tajik	6653
Tamil	6647
Tatar	6666
Telugu	6651
Thai	6654
Tibetan	4861
Tigrinya	6655
Tonga	6661
Tsonga	6665
Turkish [TUR]	6664
Turkmen	6657
Twi	6669
U-Z	
Ukrainian	6757
Urdu	6764
Uzbek	6772
Vietnamese	6855
Volapuk	6861
Welsh	4971
Wolof	6961
Xhosa	7054
Yiddish	5655
Yoruba	7161
Zulu	7267

If you choose a Language that has a 3 letter language code, the code will be displayed every time you change the Audio or Subtitle language setting on page 13. If you choose any other languages, '---' will be displayed instead. (3 letter language code is written in bracket.)

TROUBLESHOOTING GUIDE

If the DVD player does not perform properly when operated as instructed in this Owner's Manual, check the player, consulting the following checklist.

Problem	Solution
No power	–Check if the AC power cord is properly connected. –Unplug the outlet once, and wait for 5-10seconds and then plug it in again
No sound or picture	–Check if the TV is switched on. –Check the video connection –Check the VIDEO/AUDIO cable connections to the TV (See Connecting to a TV) –Check if the INTERLACE/PROGRESSIVE mode is set correctly according to your TV. See page 5.
Distorted picture	–Sometimes a small amount of picture distortion may appear. This is not a malfunction. –Connect the player directly to the TV.
Completely distorted picture or black/white picture with DVD	–Connect DVD player directly to the TV. –Make sure the disc is compatible with the DVD player.
No sound or distorted sound	–Adjust the volume. –Check that the speakers are connected correctly.
No audio at digital output	–Check the digital connections. –Check if the audio format of the selected audio language matches your receiver capabilities.
No DTS audio output	–Use a DIGITAL AUDIO OUT jack when outputting the DTS audio.
Picture freezes momentarily during playback	–Check the disc for fingerprints/scratches and clean with a soft cloth wiping from center to edge. –Clean the disc
Disc can't be played	–Clean the disc –Ensure the disc label is facing up. –Check if the disc is defective by trying another disc. –Cancel the parental lock or change the control level. –Insert a correct disc that plays on this player.
No return to start-up screen when disc is removed	–Reset the player by switching the player off, then on again.
The player does not respond to the remote control	–Aim the remote control directly at the sensor on the front of the player. –Reduce the distance to the player. –Replace the batteries in the remote control. –Re-insert the batteries with their polarities (+/– signs) as indicated.
Buttons do not work or player stops responding	–To completely reset the player, unplug the AC cord from the AC outlet for 5-10 seconds.
Player does not respond to some operating commands during playback.	–Operations may not be permitted by the disc. Refer to the instructions of the disc.
DVD player cannot read CDs/DVDs	–Use a commonly available cleaning CD/DVD to clean the lens before sending the DVD player for repair.

NOTES:

- Some functions are not available in specific modes, but this is not a malfunction. Read the description in this Operation Manual for details on correct operations.
- Playback from a desired track and random playback are not available during program playback.
- Some functions are prohibited on some discs.

SPECIFICATIONS

OUTPUT SIGNAL FORMAT
NTSC color

POWER SOURCE
120 V AC +/- 10%, 60 Hz +/- 0.5%

POWER CONSUMPTION
10 W (standby: 0.8W)

OPERATING TEMPERATURE
41°F(5°C) to 104°F(40°C)

DIMENSIONS
W 17-1/8" (435 mm)
H 2" (51 mm)
D 8-1/4" (211 mm)

WEIGHT
Approx 2.9 lbs (1.3 kg)

- **Designs and specifications are subject to change without notice.**
- **If there is a discrepancy between languages, the default language will be English.**

MAINTENANCE

Servicing
- Should your DVD player become inoperative, do not try to correct the problem yourself. There are no user-serviceable parts inside. Turn off, unplug the power cord, and please call our help line at 1-800-448-2244 (1-800-HITACHI), to locate an Authorized Service Center.

Cleaning the Cabinet
- Use a soft cloth slightly moistened with a mild detergent solution. Do not use a solution containing alcohol, spirits, ammonia or abrasives.

Cleaning Discs
- When a disc becomes dirty, clean it with a cleaning cloth. Wipe the disc from the center out. Do not wipe in a circular motion.
- Do not use solvents such as benzine, thinner, commercially available cleaners, detergent, adrasive cleaning agents or antistatic spray intended for analogue records.

Cleaning the disc lens
- If the player still does not perform properly when it is operated while referring to the relevant sections and to "TROUBLESHOOTING GUIDE" in this Owner's Manual, the laser optical pickup unit may be dirty. Consult your dealer or an Authorized Service Center for inspection and cleaning of the laser optical pickup unit.

Disc Handling
- Use discs which have the following logos on them. (Optical audio digital discs.)
- Handle the discs so that fingerprints and dust do not adhere to the surfaces of the discs.
- Always store the disc in its protective case when it is not used.

Make your contribution to the environment!!!
- Used up batteries do not belong in the dust bin.
- You can dispose of them at a collection point for used up batteries or special waste. Contact your city office or consult the yellow pages for details.

CONROLES DE OPERACIÓN Y FUNCIONES

PANEL DELANTERO / VISTA TRASERA

Consulte la figura 1, 2 da la página 6.

1. ⏻/I **(Botón de la alimentación) (POWER)**
 Púlselo para conectar y desconectar la alimentación.
2. **Botón de SKIP/FR**
 Púlselo para volver al capítulo o pista anterior durante la reproducción; manténgalo pulsado durante 1,5 segundos para hacer la búsqueda en retroceso.
3. **Botón de reproducción (PLAY)**
 Inicie la reproducción del contenido del disco.
 Púlselo para activar/ disactivar la exploración progresiva.
 Consulte la pagina 5.
4. **Botón de FF/SKIP**
 Púlselo para avanzar al capítulo o pista siguiente durante la reproducción; manténgalo pulsado durante 1,5 segundos para hacer la búsqueda hacia adelante.
5. **Botón de parada (STOP)**
 Detiene la operación del disco.
6. **Botón de abertura/cierre (OPEN/CLOSE)**
 Púlselo para introducir discos en la bandeja o sacarlos de ella.
7. **Bandeja de disco (Disc tray)**
8. **Botón de la alimentación (Display)**
 Púlselo para conectar y desconectar la alimentación.
9. **Cable de alimentación (AC Power Cord)**
 Conecte a una toma de alimentacion.
10. **Toma de salida de audio digital coaxial (Digital audio out)**
11. **Toma de salida de audio (AUDIO OUT Left/Right)**
12. **Toma de salida de vídeo (VIDEO OUT)**
13. **Toma de salida de vídeo componente (COMPONENT VIDEO OUT)**
14. **Toma de salida de vídeo S (S-VIDEO OUT)**

MANDO ADISTACIA

Consulte la figura 3 da la página 7.

1. **Botón SURROUND**
 Para activar el sonido 3D.
2. **Botón ⏻/I (POWER/STANDBY)**
 Presione para conectar y desconectar la alimentación.
 (Para las indiaciones del interruptor de funcionamiento, "I" indica la conexión y "y/I " indica el estado de espera de alimentación eléctrica.)
3. **Botón A-B REPEAT**
 Repite la reproducción de una sección seleccionada.
4. **Botón REPEAT**
 Repite la reproducción del disco, título, capítulo o pista actual.
5. **Botón MODE**
 Activa modo de reproducción de programa o reproducción aleatoria cuando se reproducen CDs o MP3. Ajusta Nivel de negro o TruSurround SRS.
6. **Botón ZOOM**
 Amplía parte de una imagen reproducida-DVD.
7. **Botón CLEAR**
 Presione para reponen el ajuste.
8. **Botón ANGLE**
 Presione para cambiar el ángulo de cámara para ver la secuencia que se está reproduciendo desde un ángulo diferente.
9. **Botón SUBTITLE**
 Presione para seleccionar un idioma de subtítulo deseado.
10. **Botón MENU**
 Presione para visualizar el menú del Disco.
11. **Botones de flecha (◄ ► ▼▲)**
 Mueve el cursor y determina suposición.
12. **Botón ENTER**
 Presione para aceptar un ajuste.
13. **Botón RETURN**
 Vuelve a la operación previa.
14. **Botones SKIP**
 Presione para saltar Capítulos o Pistas.
15. **Botón Stop**
 Detiene la operación del disco.
16. **Botón ◄◄**
 Presione para ver la imagen DVD en movimiento de inversión rápida o para invertir la reproducción de un DC de Audio.
17. **Botón PAUSE/STEP**
 Presione para pausar la reproducción de Disco. Presione repetidamente para avanzar la imagen DVD paso a paso (o un fotograma cada vez).
18. **Botón ►►**
 Presione para avanzar rápidamente el Disco. Presione el Botón PAUSE, luego presione el Botón FWD iniciar a reproducción en movimiento lento. Presione el Botón FWD repetidamente para cambiar la velocidad de avance del movimiento lento.
19. **Botón PLAY**
 Presione para comenzar a reproducir.
20. **Botón DISC NAVIGATION**
 Púlselo para visualizar las primeras escenas de cada capítulo del título que está siendo reproducido.
21. **Botón SETUP**
 Presione para introducir el modo de preparación.
22. **Botón TOP MENU**
 Introduce el Menú superior en un disco.
23. **Botón AUDIO**
 Presione para seleccionar un idioma de audio deseado o modo de sonido.
24. **Botón DISPLAY**
 Presione para tener acceso o remover la pantalla de visualización durante reproducción DVD o CD de audio.
25. **Botones numéricos**
 Presione para seleccionar directamente una Pista (CD de Audio, MP3) para reproducción.
26. **Botón OPEN/CLOSE**
 Presione para insertar discos en o removerlos de la bandeja de disco.
27. **Botón SEARCH MODE**
 Presione para tener acceso o remover la indicación de búsqueda, que le permite ir directamente a un Título/Capítulo/Pista/Tiempo especificado.

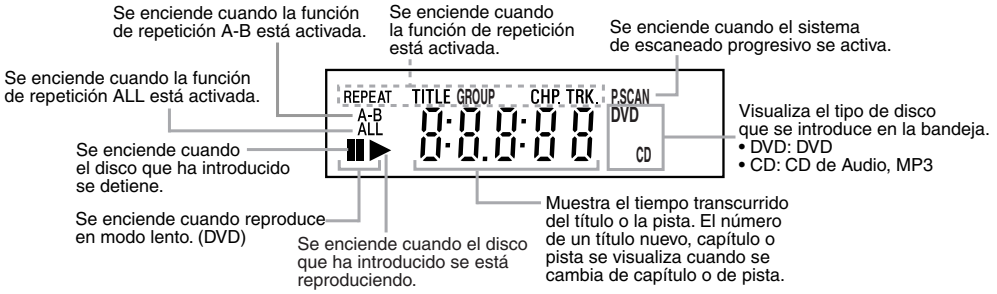
Selección de Exploración Progresiva (480p o Reproducción Entrelazada 480i)

- Si su televisor es compatible con el escaneado progresivo (480 p), conecte el televisor a las clavijas COMPONENT VIDEO OUT de esta unidad (consulte la ilustración 9 de la página 9) y ajústelo al modo de escaneado progresivo pulsando PLAY durante más de 5 segundos en la parte delantera de la unidad. En la pantalla de la unidad aparecerá "P. SCAN".
- Para ajustarlo al modo de entrelazado, pulse PLAY durante más de 5 segundos en la parte delantera de la unidad. En la pantalla de la unidad desaparecerá "P. SCAN".
- Si su televisor no es compatible con el escaneado progresivo, mantenga la unidad en el modo de entrelazado (asegúrese de que "P. SCAN" desaparece de la pantalla de la unidad).
- Utilice un adaptador de venta en tiendas si las clavijas de entrada de su televisor o monitor son de tipo BNC.

¿Qué es Exploración Progresiva?

- Distinto de exploración entrelazada convencional, el sistema de exploración progresiva de reproductor DVD provee menos imágenes oscilantes en resolución superior que la de señales de televisión tradicional (480i).

Visualización



Visualizaciones Durante la Operación

	Conexión de alimentación
	No hay disco insertado
	Bandeja abierta
	Bandeja cerrada

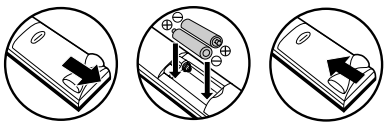
	Carga del disco
	Desconexión de alimentación
▶	Cuando esté reproduciéndose un disco

Instalación de las Pilas

1. Abra la tapa del compartimiento de las pilas.
2. Introduzca dos pilas AA con las polaridades colocadas correctamente.
3. Cierre la tapa.

NOTAS

- No mezcle pilas alcalinas y de manganeso.
- No mezcle pilas viejas y nuevas.



CONEXIONES

Conexión a un Televisor

Utilice un cable de vídeo S (de venta en el comercio) en lugar del cable de vídeo amarillo para disfrutar de imágenes de más alta calidad.
Consulte la figura 5 de la página 8 / Consulte la figura 6 de la página 8

Conexión a un Amplificador Equipado con tomas de Entrada Digital, Platina MD o Platina DAT

Para hacer las conexiones de audio utilice cables digitales coaxiales de audio (de venta en el comercio).
Consulte la figura 7 de la página 9

Conexión a un Descodificador Dolby Digital o Descodificator DTS

Si utiliza este reproductor DVD para reproducir un DVD en un formato de sonido ambiental Dolby Digital de 5,1 canales o DTS el reproductor DVD dará salida a un flujo de datos Dolby Digital o DTS desde su toma COAXIAL DIGITAL AUDIO OUT. Conectando el reproductor a un descodificador Dolby Digital o descodificador DTS, usted podrá disfrutar de un ambiente más convincente y real, con un sonido ambiental potente y de alta calidad de estándar profesional como el que puede oírse en los cines.
Para hacer las conexiones de audio utilice cables digitales coaxiales de audio (de venta en el comercio).
Consulte la figura 8 de la página 9

CONEXIONES

Conexión a un Televisor o a un Televisor Estéreo Que tenga tomas Component Video in

Consulte la figura 9 de la página 9

REPRODUCCIÓN DE UN DISCO

Reproducción de un DVD de Vídeo o un CD de Audio

DVD CD

Para empezar

Conecte la alimentación del televisor, amplificador y cualquier otro componente que esté conectado al reproductor DVD. (Cambie el sistema de entrada para adaptarlo al reproductor DVD, y compruebe que el volumen del sonido sea correcto.)

1. Pulse el botón ⏻/I.
 - La alimentación se conectará.
2. Pulse el botón **OPEN/CLOSE**.
 - La bandeja de carga del disco se abrirá.
3. Ponga un disco en la bandeja.
 - Asegúrese de que el disco esté correctamente asentado en el hueco correcto, con el lado de la etiqueta hacia arriba.
4. Pulse el botón **PLAY**.
 - La bandeja se cerrará automáticamente y la reproducción empezará desde el primer capítulo o pista del disco. Necesitará pulsar el botón PLAY sólo cuando la bandeja haya sido cerrada pulsando el botón OPEN/CLOSE.
 - Cuando reproduzca un DVD que tenga grabado un menú de títulos, el menú tal vez aparezca en la pantalla.
5. Pulse el botón **STOP** para detener la reproducción.

HITACHI

service hotline

To locate an authorized HITACHI service facility in the continental U.S.A

DIAL TOLL FREE
7 days a week, 24 hours a day

800 HITACHI

1-800-448-2244

Hitachi has made every effort to assure you hours of trouble free operation from your unit . However , should you require service , a network of Hitachi Authorized Service Facilities has been established in all 50 states and Puerto Rico . Each facility will provide you with convenient and expedient assistance . Our service "Hot line" operator will direct you to the Hitachi Authorized Service Facility nearest you . Just present proof of purchase and/or delivery receipts to the Hitachi Authorized Service Facility and service will be rendered in accordance with the terms of the limited warranty as stated on your warranty card or operating guide .

Should you have any questions regarding in-warranty service, operation or technical assistance, please contact:

HITACHI AMERICA, LTD.
HOME ELECTRONICS DIVISION

900 Hitachi Way
Chula Vista, CA 91914-3556
Tel: 1-800-HITACHI
(1-800-448-2244)

during the business hours
Monday - Friday EST 9:00am~7:00pm
Saturday EST 9:00am~5:00pm

HITACHI CANADA LTD .
DIGITAL MEDIA DIVISION

2495 Meadowpine Blvd., Mississauga,
Ontario L5N 6C3 CANADA
Tel: 1-800-HITACHI
(1-800-448-2244)

durant les heures de bureau:
Lundi au Vendredi 9:00am~7:00pm (h.n.e.)
Samedi 9:00am~5:00pm (h.n.e.)

MEMO

MEMO

Warranty Limitations

The Limited Warranty provided by Hitachi does not cover:

A. Cabinet (exterior finish items), Battery packs, Accessories, Lens Cleanings, Head Cleanings, DVD Disc Damage, Video Tape Damage, or Software Modifications.
B. Any defect, malfunction, or failure caused by or resulting from improper service, maintenance, repair, use of DVD Cleaning Disks, use of Video Cleaning Cassettes, software, or from abuse, neglect, accident or any other cause beyond the control of Hitachi
C. Unpacking, set-up or installation, adjustment of customer operated controls, user instruction.
D. Any product with Serial Numbers altered or removed
E. New products purchased or service performed outside of the continental United States or its possessions
F. Product used for a commercial or industrial purpose.

NO PERSON, AGENT, DISTRIBUTOR, DEALER, SERVICE FACILITY, OR COMPANY IS AUTHORIZED TO CHANGE, MODIFY, OR AMEND THE TERMS OF THIS LIMITED WARRANTY IN ANY MANNER OR FASHION WHATSOEVER, EXCEPT AND TO THE EXTENT PROVIDED IN THIS LIMITED WARRANTY, HITACHI MAKES NO EXPRESS WARRANTY REGARDING THIS HITACHI PRODUCT. FURTHER, ALL IMPLIED WARRANTIES RELATING TO ANY PORTION OF THIS PRODUCT, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO 90 DAYS FOR LABOR AND ONE YEAR FOR PARTS, THE DURATION OF THE APPLICABLE EXPRESS WARRANTY CONTAINED ABOVE. HITACHI SHALL NOT BE LIABLE TO THE PURCHASER OR TO ANY OTHER PERSON FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSS OF PROFIT OF PRODUCT RESULTING FROM ANY DEFECT IN OR MALFUNCTION OR FAILURE OF THIS HITACHI PRODUCT. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

Important Notice:

Retain your sales receipt for warranty purposes. Please complete the section below for your records as it may be needed in the event of loss.

Attach your sales receipt to this card.

DVD, VCR, Camcorder Products, AC Adapter Charger Limited Warranty Registration

(for your records)

Model No. _____

Serial No. _____

Date of Purchase _____

Dealer Name _____

Dealer Address _____

City _____ State _____ Zip _____

NOT FOR U.S.A. ONLY
NOT SOLD IN CANADA

HITACHI

REGISTER YOUR PRODUCT ON-LINE AT HITACHI.COM/TV OR MAIL IN TO ADRESS ON THIS CARD.

HITACHI

"In order to allow Hitachi to better serve customer needs, please complete this card and return it to Hitachi America, Ltd., Home Electronics Division Completion of this card is not required in order to validate your Hitachi limited warranty, but would assist us in developing better services and programs for our customers."
(Please print or type)

Model No. _____

Serial No. _____ Date of purchase

Customer Name _____

Customer Address _____

City _____ State Zip

()
Phone No.

Dealer name _____

Dealer address _____

City _____ State Zip

HITACHI

Hitachi America, Ltd.
Home Electronics Division

LIMITED WARRANTY

Hitachi America, Ltd., Home Electronics Division ("Hitachi,") warrants this component in duration as stated below:

- ***DVD Products***
- ***VCR Products***
- ***CAMCORDER Products***
- ***AC ADAPTER CHARGER***

• 90 DAYS LABOR (Carry-in)
• 1 YEAR PARTS (Except Battery)

For information concerning repairs, operation, technical assistance or for referral to the location of your nearest Authorized Service Facility or Parts Distributor, call: 1-800-HITACHI (1-800-448-2244)

HITACHI AMERICA, LTD
HOME ELECTRONICS DIVISION
900 Hitachi Way
Chula Vista, CA 91914-3556
Tel: 1-800-HITACHI

REGISTER YOUR HITACHI PRODUCT ON-LINE AT HITACHI.COM/TV

(Continued on reverse side)

Conditions of Hitachi Limited Warranty

These Hitachi Products are warranted to be free of defects in parts and workmanship at the time of purchase by the original owner. If this product is found to be defective, Hitachi will repair or replace defective parts at no charge to the original owner. Parts used for replacement are warranted for the remainder of the original Limited Warranty period. For 90 days from the date of original purchase, Hitachi will provide labor for the repair or replacement of defective parts without charge, subject to the following conditions:

1. Owner must provide verification of the date of purchase when requesting Limited Warranty Service. (Dated Sales Receipt Required)
2. All repairs must be performed by a Hitachi Authorized Service Facility.
3. This warranty is valid only in the U.S.A.

U.S.A. ONLY
NOT VALID IN CANADA

QT15271

Register your product on-line at hitachi.com/tv
or mail this portion to the following address

Attn: Warranty Department
Hitachi America, Ltd., Home Electronics Division
900 Hitachi Way
Chula Vista, CA 91914-3556

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